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Ruben C. DeLeon
214-459-3351
rdeleon@lawgrouppc.com

DELEON
★
LAW GROUP PC

100 Crescent Court
Suite 700
Dallas TX 75201
214-459-3350
Fax 214-459-3101

August 20, 2004

Mail Stop Non-Fee Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Title: SYSTEM AND METHOD FOR OPTIMAL
ALLOCATION OF LINK BANDWIDTH IN A
COMMUNICATIONS NETWORK FOR TRUNK
ROUTING
Filing Date: 04/25/2004
Serial No.: 09/558,962
Our File No.: 26742.3

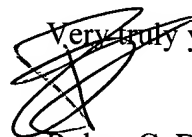
Dear Sir:

Enclosed for filing please find the following items relating to the above-identified patent application:

- (1) Transmittal Letter;
- (2) Amendment Cover Page and Claims (3 pages);
- (3) Remarks and Certificate of Mailing (1 page);
- (4) Version with Markings (2 pages); and
- (5) Return post card.

Please file the Amendment in claims and return the date-stamped post card to the address indicated.

If you have any questions or comments concerning this amendment in claims, please call the undersigned at your earliest convenience.

Very truly yours,


Ruben C. DeLeon
Register No.: 37,812

RCD:krs
Enclosures



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Fahim, Furrukh

Serial No. 09/558,962

Filed: 04/25/2000

For: SYSTEM AND METHOD FOR
OPTIMAL ALLOCATION OF
LINK BANDWIDTH IN A
COMMUNICATIONS NETWORK
FOR TRUNK ROUTING

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Group Art Unit: 2664

Examiner: Pham, Brenda H.

AMENDMENT

MAIL STOP NON-FEE AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

In response to the office action mailed 05/20/2004, please amend the above-identified patent application as follows:

IN THE CLAIMS:

Please amend claims 1-14 to read as follows:

1. A method of allocating network resources, method comprising:
creating a model of a plurality of network nodes, a plurality of network links, and a plurality of traffic trunks;
determining available arc capacity for a commodity of a plurality of commodities by subtracting from the total bandwidth of the arc the bandwidth already in use by other commodities and then dividing the difference by a bandwidth of the commodity and rounding it down to the largest integer that is smaller than the ratio of the available arc capacity;
determining a maximum flow of the commodity;
updating a link load; and
mapping a solution on the network resources.
2. The method of claim 1, wherein the model includes mapping of traffic trunks to supply and demand nodes by:
setting a plurality of ingress trunk nodes to a plurality of demand nodes;